

IN THE CLAIMS:

Please amend claims 1 and 7 as follows:

1. (Three-Time Amended) A method for determining down-regulation of gene expression of a human immunodeficiency virus (HIV) coreceptor, comprising the steps of:
- a culturing cells capable of expressing said human HIV coreceptor;
 - b dividing said cultured cells into a plurality of groups;
 - c introducing predetermined progressively increasing amounts of Product R at concentrations between 0 to 100%, by volume, to said plurality of groups of said cultured cells, respectively, by electroporation;
 - d culturing said plurality of groups of said electroporated cells;
 - e preparing a total RNA from each said group of said cultured electroporated cells after step d, respectively;
 - f reverse-transcribing the mRNA of said HIV coreceptor from each said total RNA by a reverse transcription-polymerase chain reaction (RT-PCR) to produce an RT-PCR product;
 - g measuring the amount of said RT-PCR product produced from each said group of said cells; and
 - h comparing each said amount of said RT-PCR product produced from each said group with each other, wherein Product R is made by a process comprising the steps of:
 - a' mixing predetermined amounts of casein, beef peptone, ribonucleic acid (RNA), bovine serum albumin and sodium hydroxide in a predetermined amount of water;
 - b' autoclaving the mixture from said step [a] a' until RNA is completely digested;

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- c' cooling the product from said step b', said cooled product comprising solids;
 - d' removing said solids from the product from said step c';
 - e' adding water to the product from said step d'; and
 - f adjusting the pH of the product from said step e' to a physiologically

acceptable pH range.

7. (Twice Amended)

A method for determining down-regulation of gene

expression of a human immunodeficiency virus (HIV) coreceptor, comprising the steps of:

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- a dividing cells capable of expressing said human HIV coreceptor into a plurality of groups;
 - b introducing predetermined progressively increasing amounts of Product R at concentrations between 0 to 100%, by volume, into said plurality of groups of said cells, respectively, by electroporation;
 - c reverse-transcribing the mRNA of said HIV coreceptor of each said groups of said cells by a reverse transcription-polymerase chain reaction (RT-PCR) to produce an RT-PCR product;
 - d measuring the amount of said RT-PCR product produced from each said group of said cells; and
 - e comparing each said amount of said RT-PCR product produced from each said group with each other, wherein Product R is made by a process comprising the steps of:

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und
- a' mixing predetermined amounts of casein, beef peptone, ribonucleic acid (RNA), bovine serum albumin and sodium hydroxide in a predetermined amount of water;
 - b' autoclaving the mixture from said step a' until RNA is completely digested;
 - c' cooling the product from said step b', said cooled product comprising solids;
 - d' removing said solids from the product from said step c';
 - e' adding water to the product from said step d'; and
 - f' adjusting the pH of the product from said step e' to a physiologically acceptable pH range.